

FIG. 1

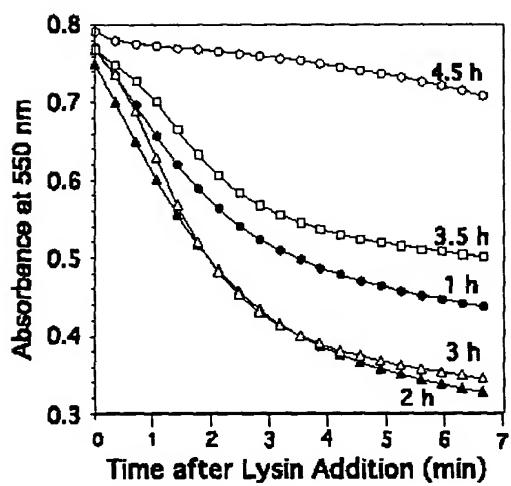


FIG. 2A

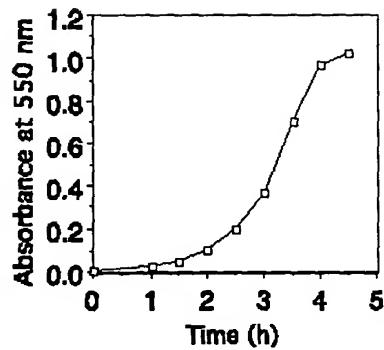


FIG. 2B

group C	phage	lysin	MATYQEQYKSR	SNGNAYDIDG	SLGAQCMWDGY	ADYCKYLGKP	YANCTNTGYA	50
group A	phage	lysin	MATYQEQYKSR	SNGNAYDIDG	SLGAQCMWDGY	ADYCKYLGKP	YANCTNTGYA	
group B	phage	lysin	MATYQEQYKSR	SNGNAYDIDG	SFGAQCMWDGY	ADYCKYLGKP	YANCTNTGYA	
								100
group C	phage	lysin	RDIWEQRHKN	GILNYFDEVE	TMQAGDVAIF	MVVAGVTPYS	HVAIFFDSDAG	
group A	phage	lysin	KDIWEQRHKN	GILNYFDEVE	TMQAGDVAIF	MVVAGVTPYS	HVAIFFDSDAG	
group B	phage	lysin	RDIWEQRHEN	GILNYFDEVE	VMQAGDVAIF	MVVAGVTPYS	HVAIFFDSDAG	
								150
group C	phage	lysin	SGYGWFLGN	QGGANGAYNL	VKIPYSTTPY	TAFRPKVFKN	AVTVIGNIGL	
group A	phage	lysin	SGYGWFLGN	QGGANGAYNL	VKIPYSTTPY	TAFRPKVFKN	AVTVIGNIGL	
group B	phage	lysin	GGYGWFLGN	QGGANGAYNL	VKIPYSATYP	TAFRPKSFKN	AVTVTDNTGL	
								200
group C	phage	lysin	NKGDYFLDVS	AYQQADLTAT	CQQAGTTKTI	IKVSESLAWL	SDRHQQQANT	
group A	phage	lysin	NKGDYFLDVS	AYQQADLTAT	CQQAGTTKTI	IKVSESLAWL	SDRHQQQANT	
group B	phage	lysin	NKGDYFLDVS	AYQQADLTTT	CQQAGTTKTI	IKVSESLAWL	SDRHQQQANT	
								250
group C	phage	lysin	SDPIGYXHFG	RFGGDSNLAQ	RVADLFLSNL	PTKKVSYLVI	DYEDSASADK	
group A	phage	lysin	SDPIGYXHFG	RFGGDSNLAQ	READLFLSNL	PTKKVSYLVI	DYEDSASADK	
group B	phage	lysin	SDPIGYXHFG	RFGGDSALAQ	READLFLSNL	PTKKVSYLVI	DYEDSASADK	
								300
group C	phage	lysin	EANTKAVIAF	MDKTAANAGYK	PVYYSYKPF	LNNIDYQQII	AKYPNSIWI	
group A	phage	lysin	EANTNAVIAF	MDKTAANAGYK	PVYYSYKPF	LNNIDYQQII	AKYPNSIWI	
group B	phage	lysin	QANTNAVIAF	MDKTAASAGYK	PVYYSYKPF	LNNIDYQKII	AKYPNSIWI	
								350
group C	phage	lysin	GYPDYEVRIE	PLWEFFPSMD	GVRWWQFTSV	GVAGGLDKNI	VLLADDSSKV	
group A	phage	lysin	GYPDYEVRIE	PLWEFFPSMD	GVRWWQFTSV	GVAGGLDKNI	VLLADDSSKV	
group B	phage	lysin	GYPDYEVRIE	PLWEFFPSMD	GVRWWQFTSV	GVAGGLDKNI	VLLADDSSKV	
								400
group C	phage	lysin	DIPKIDKPOS	QLTFNQKLDT	NTKLDNSNVP	YYEATLSTDY	YVESKPNASS	
group A	phage	lysin	DIPKIDKPOS	QLTFNQKLDT	NTKLDNSNVP	YYEATLRTDY	YVESKPNASS	
group B	phage	lysin	DIPKVDKPO	ELTFYQKLAT	NTKLDNSNVP	YYEATLSTDY	YVESKPNASS	

		4.4.4		
		4.01		
group	C	phage	lysin	ADKEFIKAGT
group	A	phage	lysin	ADKEFIKAGT
group	B	phage	lysin	ADKEFIKAGT

FIG. 3

Lane 1 2

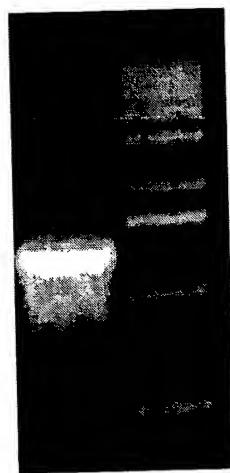


FIG. 4

Lane 1 2 3 4 5 6

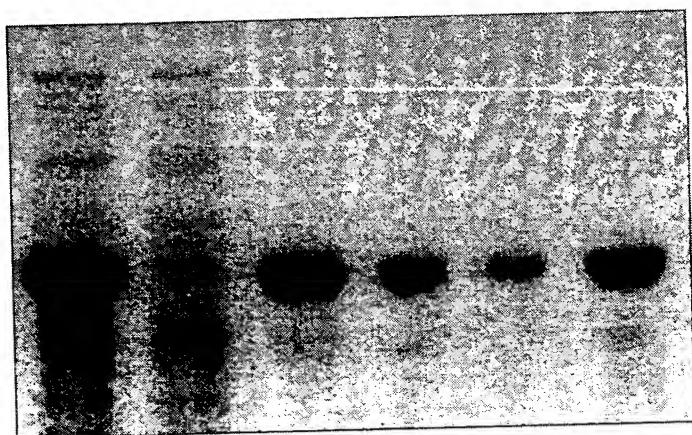


FIG. 5

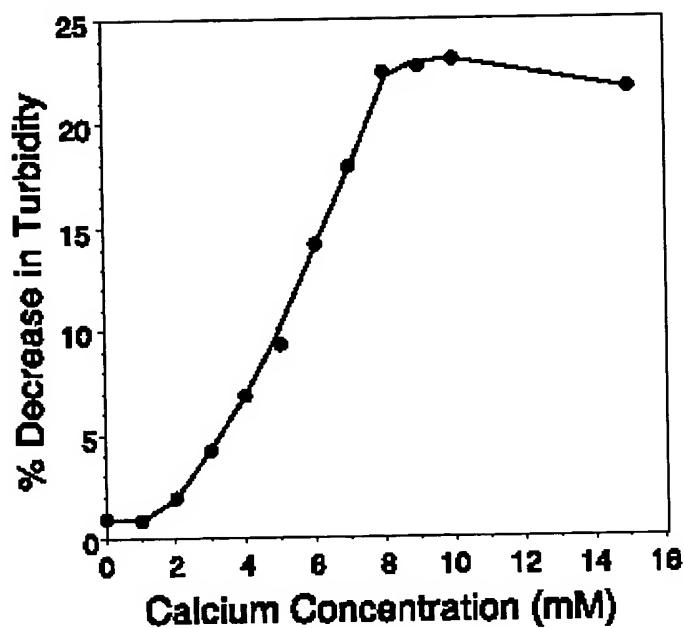


FIG. 6

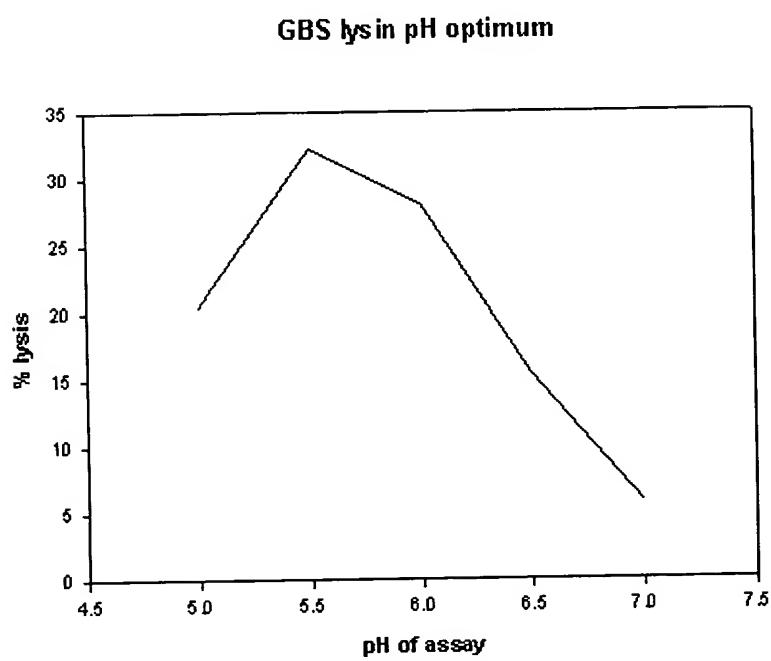


FIG. 7